

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506162

Luminaire Tested: **22PD-20-PL1-L840**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-20-PL1-L840
Description: 2000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH LEAVES LENS AND 80 CRI,
4000K LEDS
Light Source: -
Ballast/Driver: -

Summary

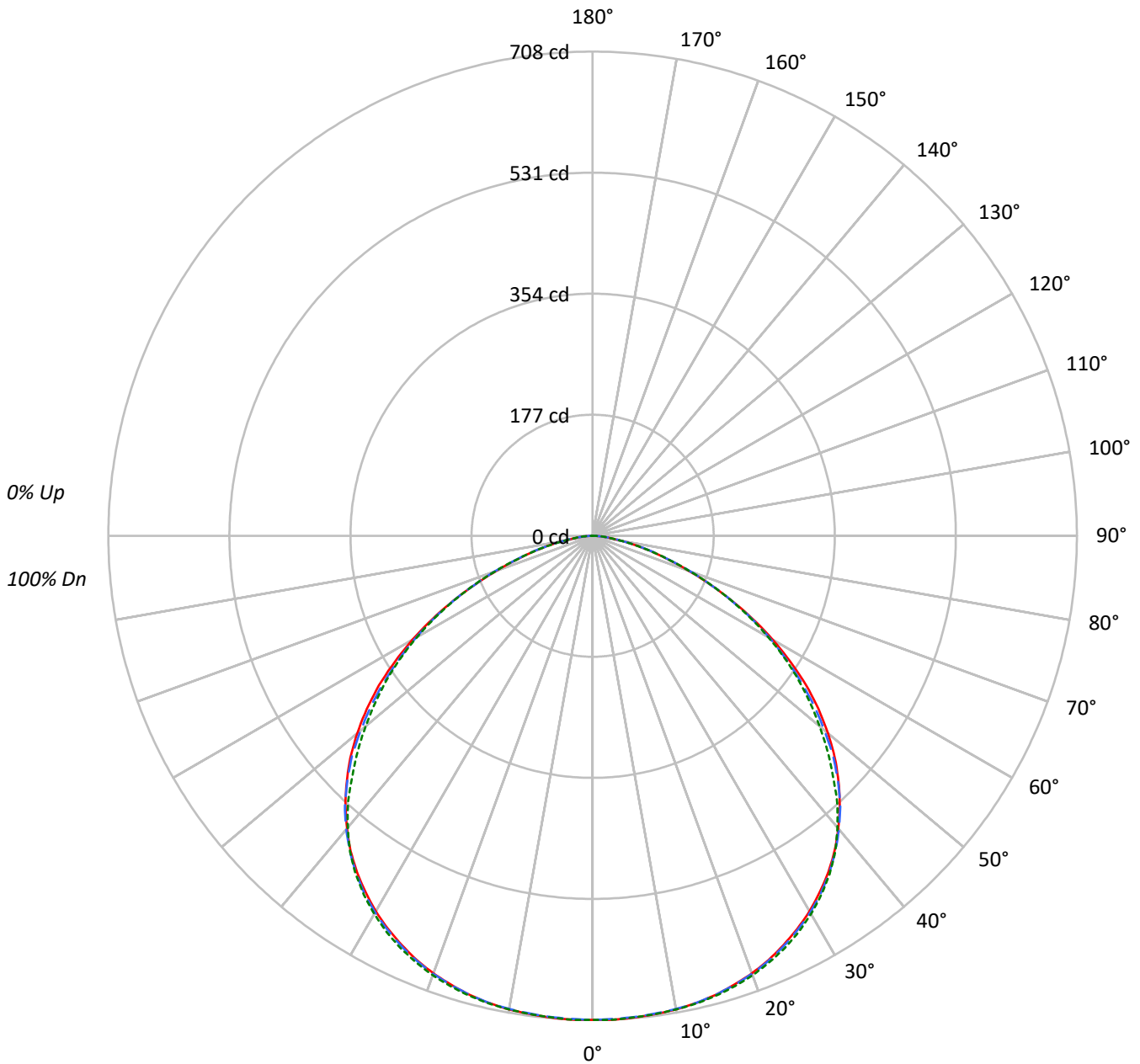
Lumens per Lamp: N/A
Luminaire Lumens: 2005.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72				72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61				61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52				52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45				45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40				40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35				35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	37	33	31				31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1905	1905	1905
5°	1910	1908	1909
10°	1922	1920	1922
15°	1936	1936	1940
20°	1950	1952	1958
25°	1961	1965	1974
30°	1970	1977	1984
35°	1973	1980	1984
40°	1963	1968	1956
45°	1935	1929	1890
50°	1880	1851	1814
55°	1789	1743	1724
60°	1638	1607	1598
65°	1428	1425	1421
70°	1171	1190	1186
75°	927	943	927
80°	680	676	673
85°	454	448	479



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.3	3.4
10°-20°	196.4	9.8
20°-30°	305.3	15.2
30°-40°	376.3	18.8
40°-50°	388.7	19.4
50°-60°	332.6	16.6
60°-70°	222.0	11.1
70°-80°	97.4	4.9
80°-90°	18.8	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	569.0	28.4
0°-40°	945.4	47.2
0°-60°	1666.7	83.1
0°-90°	2005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	707	706	706	706	707	67
15°	695	694	695	695	696	196
25°	660	660	662	664	665	305
35°	601	601	603	604	604	375
45°	508	508	507	502	497	391
55°	381	377	372	370	367	339
65°	224	224	224	225	223	223
75°	89	88	91	90	89	97
85°	15	14	14	15	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	707.9	707.9	707.9	707.9	707.9
2.5°	708.4	707.4	707.1	707.1	708.4
5°	707.1	706.1	706.4	705.9	706.6
7.5°	705.4	704.4	704.6	704.4	705.4
10°	703.4	702.4	702.6	702.4	703.4
12.5°	699.9	699.1	699.6	699.9	700.6
15°	694.9	694.2	694.9	695.4	696.4
17.5°	688.4	687.9	688.7	689.4	690.7
20°	680.9	680.4	681.7	682.4	683.9
22.5°	671.7	671.2	672.5	674.2	675.2
25°	660.3	660.3	661.8	663.7	665.0
27.5°	648.0	647.8	649.5	651.5	652.8
30°	634.1	633.6	636.1	637.8	638.6
32.5°	617.9	618.1	620.4	622.1	622.4
35°	600.7	600.7	602.7	603.9	603.9
37.5°	581.0	580.7	582.7	583.2	582.5
40°	558.8	559.1	560.3	560.1	556.8
42.5°	534.9	535.1	536.1	532.6	529.4
45°	508.5	508.2	507.0	502.2	496.7
47.5°	480.3	479.1	477.1	469.8	465.8
50°	449.1	447.1	442.2	436.4	433.2
52.5°	416.2	412.8	407.8	403.3	400.5
55°	381.3	376.6	371.6	369.6	367.4
57.5°	342.5	339.5	335.2	334.2	332.7
60°	304.3	301.1	298.6	298.6	296.9
62.5°	264.5	262.5	261.5	262.0	260.2
65°	224.3	223.8	223.8	224.6	223.1
67.5°	185.4	186.4	186.2	188.7	186.7
70°	148.8	150.5	151.3	153.8	150.8
72.5°	117.1	117.4	118.4	119.1	117.6
75°	89.2	88.5	90.7	90.2	89.2
77.5°	64.6	64.1	64.8	65.3	64.1
80°	43.9	43.4	43.6	44.4	43.4
82.5°	27.7	27.2	27.2	27.9	27.7
85°	14.7	14.5	14.5	15.0	15.5
87.5°	5.2	5.0	5.2	5.2	5.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)